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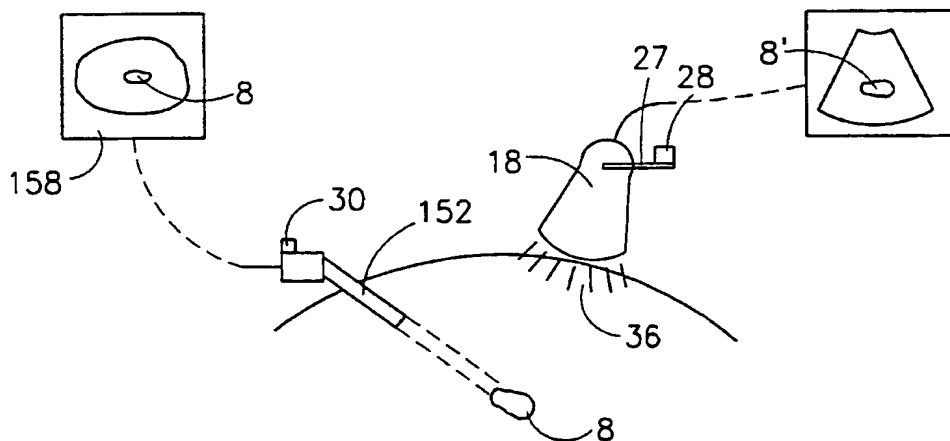
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(57) Abstract: The apparatus, and methods introduced in the present invention are enabled to measure the relative position between different medical imaging devices (18)(152), between the image planes, and/or image volumes produced by them by means of using a position measuring system based with attachable position measuring components (28)(30). This facilitates image fusing when images of the same plane/volume are available from different medical imaging systems. Additionally/alternately it enables to position a second medical imaging device over a desire area/volume according to information received from the image produced by the first medical imaging device.

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B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) U.S. : 128/899; 600/407, 417, 427, 429, 439, 446, 459, 461; 606/130 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 97/03609 A (PALTIELI) 06 February 1997, entire document.	1-38
Y	US 5,529,070 A (AUGUSTINE et al.) 25 June 1996, Figs. 5-7, and col. 6 line 31 to col. 7 line 9.	1-38
Y	US 5,662,111 A (COSMAN) 02 September 1997, Figs. 4-7, col. 6 lines 9-49, and claims 1-9.	1-38
Y	US 5,829,444 A (FERRE et al.) 03 November 1998, Figs. 8-13, col. 5 lines 40-52, col. 6 lines 3-8, and col. 7 lines 11-39.	1-38
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/> See patent family annex.		
* "A" "E" "L" "O" "P"	Special categories of cited documents: document defining the general state of the art which is not considered to be of particular relevance earlier document published on or after the international filing date document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) document referring to an oral disclosure, use, exhibition or other means document published prior to the international filing date but later than the priority date claimed	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family
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